Listing of All Claims Including Current Amendments

- 1. (Currently amended) A method of using for delivering a peptide into the major histocompatability complex (MHC) class I antigen processing pathway of an antigen presenting cell to elicit a cytotoxic T lymphocyte (CTL) response, comprising contacting said cell with a mutant of EtxB or CtxB E. coli heat labile enterotoxin B (EtxB) or cholera toxin B (CtxB) covalently linked to said peptide, comprising delivering an agent to a target cell wherein said the mutant has a mutation in the region spanning amino acid residues E-51 I58 of the β4-α2 loop of said EtxB or CtxB and wherein said mutant has GM-1 binding activity; but wherein the said mutant has a reduced immunogenic and immunomodulatory activity relative to the wild type form of EtxB or CtxB.
- 2. (Currently amended) The method of claim 1 wherein the agent is selected from the group consisting of a peptide or protein of interest (POI) peptide is derivable from a protein of interest (POI) or an antigen.
- 3. (Currently amended) The method according to of claim 2 wherein the agent is linked to a membrane translocating or fusigenic peptide antigen is selected from the group consisting of a viral antigen, a bacterial antigen, a parasitic antigen; and a tumour associated antigen (TAA).
- 4. (Canceled)
- 5. (Canceled)
- 6. (Canceled)
- 7. (Canceled)
- 8. (Canceled)
- 9. (Canceled)

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- 10. (Previously presented) The method of claim1 wherein the mutant comprises a mutation at amino acid residues 51, 56 and/or 57 of the β 4- α 2 loop.
- 11. (Previously presented) The method of claim 1 or claim 10 wherein the mutant comprises a H57A or H57S mutation.
- 12. (Currently amended) A method of preparing a medicament comprising providing a mutant of EtxB or CtxB E. coli heat labile enterotoxin B (EtxB) or cholera toxin B (CtxB) in the preparation of a medicament, wherein the mutant has a mutation in the region spanning amino acid residues E-51 I58 of the β4-α2 loop of said EtxB or CtxB and is capable of delivering an exogenous peptide into the major histocompatibility complex Class I antigen processing and presentation pathways to elicit a cytotoxic T lymphocyte response.
- 13. (Canceled)
- 14. (Canceled)
- 15. (Canceled)
- 16. (Canceled).
- 17. (Currently amended) A method of delivering an agent a peptide using a mutant to a target cell to the MHC class I antigen processing pathway of an antigen presenting cell, wherein the method comprises:
 - (i) providing a target an antigen presenting cell;
 - (ii) contacting the cell with a mutant of EtxB-or-CtxB E. coli heat labile enterotoxin B (EtxB) or cholera toxin B (CtxB) covalently linked to the peptide; the mutant having a mutation in the region spanning amino acid residues E51 I58 of the β4-α2 loop of EtxB or CtxB wherein the mutant has and having GM-1 binding activity; but wherein the mutant has a reduced im-

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- munogenic and immunomodulatory activity relative to the wild type form of EtxB or CtxB; and
- (iii) monitoring for the presence of the agent peptide in the target antigen presenting cell.
- 18. (Currently amended) A The method according to of claim 17 wherein the agent is delivered to a vesicular compartment, and/or cytosol and/or nucleus and/or an organelle of the target cell., further comprising the step of monitoring the elicitation of a cytotoxic T lymphocyte (CTL) response.
- 19. (Canceled)
- 20. (Canceled)
- 21. (Currently amended) A kit for delivering an agent to a target cell a peptide to the MHC class I antigen processing pathway of an antigen presenting cell wherein the kit comprises:
 - (i) a mutant of EtxB or CtxB E. coli heat labile enterotoxin B (EtxB) or cholera toxin B (CtxB) covalently linked to the peptide; the mutant having a mutation in the region spanning amino acid residues E51 I58 of the β4-α2 loop of EtxB or CtxB wherein the mutant has and having GM-1 binding activity; but wherein the mutant has a reduced immunogenic and immunomodulatory activity relative to the wild type form of EtxB or CtxB[[;]].
 - (ii) an agent for delivery to the target cell; and optionally
 - (iii) means for detecting the location of the agent in the target cell.
- 22. (Canceled)
- 23. (Canceled)
- 24. (Canceled)

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25. (Canceled)

Please add the following claim:

26. (New) The kit of claim 21, further comprising means for detecting the location of the peptide in the antigen presenting cell